

Course Outline for: NURS 2050 Pharmacology and the Role of the Professional Nurse**A. Course Description:**

1. Number of credits: 2
2. Lecture hours per week: 2
3. Prerequisites: NURS 1101, NURS 1151, PHIL 1080, COMM 1131
4. Corequisites: NURS 2000, NURS 2010
5. MnTC Goals: None

Administration of pharmaceuticals and natural products requires knowledge of theoretical concepts that enable nursing students to provide safe and effective care for diverse clients across the lifespan. A framework is presented for approaching the study of pharmacotherapeutics including pharmaceutical research and regulation, quality and safety, major drug classifications, and clinical management.

B. Date last reviewed/updated: October 2024**C. Outline of Major Content Areas:**

1. Professional Integrity
 - A. Attributes and Roles of a Nurse
 - i. Clinical Judgment
 - B. Care Competencies
 - i. Collaboration
 - ii. Quality & Safety
 - iii. Informatics
 - iv. Evidence Based/Evidence-informed Practice
2. Physiological Integrity
 - A. Physiological Homeostasis Regulation
 - i. Fluid & Electrolyte Balance
 - ii. Cellular Regulation/Genetics
 - iii. Intracranial Regulation
 - iv. Metabolism
 - v. Nutrition
 - vi. Elimination
 - vii. Sexuality & Reproduction
 - viii. Oxygenation
 - ix. Perfusion
 - B. Protection and Movement
 - i. Immunity
 - ii. Inflammation
 - iii. Infection
 - iv. Tissue Integrity

- v. Sensory Perception
- vi. Comfort
- vii. Mobility
- viii. Rest
- 3. Psychosocial Integrity
 - A. Psychosocial Homeostasis
 - i. Motivation/Adherence
 - ii. Cognitive Function
 - iii. Coping/Stress/Adaptation
- 4. Lifespan
 - A. Health Equity
 - i. Determinants of Health
 - ii. Implicit Bias Education

D. Course Learning Outcomes:

Upon successful completion of the course, the student will be able to:

1. Demonstrate knowledge of pharmacotherapeutics related to complex medication administration, safety, and efficacy.
2. Identify the roles and responsibilities of the professional nurse as part of the interdisciplinary team in relation to medication administration.
3. Develop a framework of clinical decision making based on the nursing process to guide safe medication administration.
4. Utilize information processes and evidence-based resources to access pertinent information about pharmaceuticals and natural products.
5. Demonstrate knowledge of cultural and ethical aspects in pharmacology.

E. Methods for Assessing Student Learning:

Methods for assessment may include, but are not limited to, the following:

1. Written examinations and quizzes.
2. Alternative format, written, and reflection assignments. Rubrics will be used.
3. The student must obtain a 78% or greater in order to pass.

F. Special Information:

Refer to nursing student handbook for additional details.